In the Claims

1. (original) Apparatus for obtaining an image of a specimen by optical projection tomography, the apparatus comprising light scanning means, a rotary stage for rotating the specimen to be imaged, an optical system and a light detector, wherein light from the scanning means scans the specimen and the optical system is operative, throughout the scanning movement of the light, to direct onto the detector only light which exits or by-passes the specimen parallel to the beam incident on the specimen.

2. (original) Apparatus according to claim 1, wherein the optical system is constituted by a convex lens which causes convergence of light incident thereon and directs onto the detector the light which exits or by-passes the specimen parallel to the beam incident on the specimen.

3. (currently amended) Apparatus according to claim 1 ~~or 2~~, wherein the light detector is constituted by a localised detector.

4. (original) Apparatus according to claim 3, wherein the localised detector is one detector of a linear array of detectors, the other detectors of the assay constituting auxiliary detectors which detect scattered and/or refracted light.

5. (original) Apparatus according to claim 3, wherein the localised detector is one detector of a two-dimensional array of detectors, the other detectors of the assay constituting auxiliary detectors which detect scattered and/or refracted light.

6. (currently amended) Apparatus according to ~~any of the preceding claims~~ claim 1, wherein the rotary stage rotates the specimen to indexed positions in each of which the specimen is in use subjected to a scanning movement of incident light by the scanning means.

7. (original) Apparatus according to claim 6, wherein the scanning means is operative to scan the light in a raster pattern, one complete raster scan being undertaken at each indexed position of the specimen.

8. (currently amended) Apparatus according to ~~any of the preceding claims~~ claim 1, wherein the light scanning means form part of a confocal scanning microscope.

9. (original) An optical system for use in apparatus for obtaining an image in optical projection tomography, the optical system receiving light from a specimen scanned by a light beam and being operative to direct onto a detector only light which exits or by-passes the specimen parallel to the beam incident on the specimen.

10. (original) A method of obtaining an image of a specimen in optical projection tomography, the method comprising moving a light beam across the specimen with a scanning motion, passing the light emanating from the specimen onto a detector which, throughout the scanning movement of the light, detects light which exits or by-passes the specimen parallel to the beam incident on the specimen.

11 - 12. (cancelled)